

ABSTRACT

A sample device to be inserted inside an external tube, having a substantially circular cross-section, may carry a substantially circular plate as part of a turntable to be rotated within the external tube around two substantially orthogonal axes. An embodiment of the sample device may include two substantially coaxial tubes, with the turntable being supported by the outer tube, and two meshing gears, with the first gear being connected to the inner tube and the second gear being connected to the turntable. Another embodiment may include a special cable guide being connected with its first end with the turntable and its second end, being substantially perpendicular to the first end, with the supporting means, with the inner tube, the outer tube and/or the cable guide being connected with a driving unit. Preferably, the surface of the plate to be rotated within the external tube is maximized.